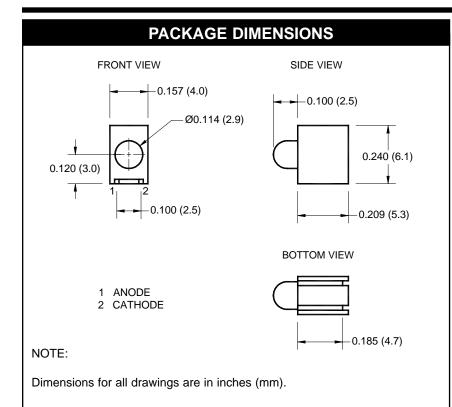
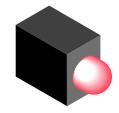


RIGHT ANGLE T-100 (3 mm)

Diffused



HER **HLMP-1700.MP4C** YELLOW **HLMP-1719.MP4C GREEN HLMP-1790.MP4C**



FEATURES

- · Standard 100 mil. lead spacing
- · Solid state reliability
- Diffused
- Low current (2 mA)

DESCRIPTION

These T-100 right angle lamps have a viewing angle of 40°.

ABSOLUTE MAXIMUM RATINGS (T _A = 25°C unless otherwise specified)						
Parameter	Symbol	Rating	Unit			
Operating Temperature	T _{OPR}	-40 to +85	°C			
Storage Temperature	T _{STG}	-40 to +100	°C			
Lead Soldering Time	T _{SOL}	260 for 3 sec	°C			
Continuous Forward Current	I _F	30	mA			
Peak Forward Current		160	m A			
(f = 1.0 KHz, Duty Factor = 1/10)	l lF	160	mA			
Reverse Voltage	V _R	5	V			
Power Dissipation	P _D	85	mW			

ELECTRICAL / OPTICAL CHARACTERISTICS (TA =25°C)						
Part Number	HLMP-1700.MP4C	HLMP-1719.MP4C	HLMP-1790.MP4C	Condition		
Luminous Intensity (mcd)				$I_F = 2mA$		
Minimum	1	1	1			
Typical	2	2	2			
Forward Voltage (V)				$I_F = 2mA$		
Maximum	2.7	2.7	2.7			
Typical	1.9	1.9	1.9			
Peak Wavelength (nm)	635	585	565	I _F = 2mA		
Spectral Line Half Width (nm)	45	20	30	$I_F = 2mA$		
Viewing Angle (°)	40	40	40	$I_F = 2mA$		

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RIGHT ANGLE T-100 (3 mm)

Diffused

HER YELLOW GREEN

HLMP-1700.MP4C HLMP-1719.MP4C HLMP-1790.MP4C

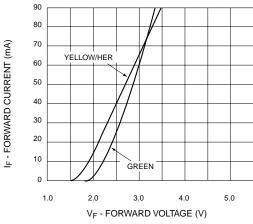


Fig. 1 Forward Current vs. Forward Voltage

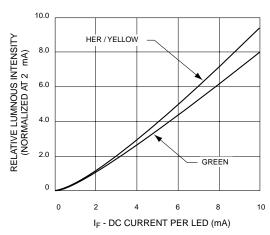


Fig. 2 Relative Luminous Intensity vs. DC Forward Current

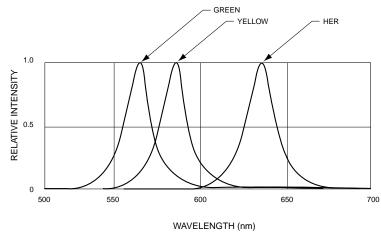
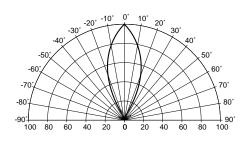


Fig. 3 Relative Intensity vs. Peak Wavelength



REL. LUMINOUS INTENSITY (%)

Fig. 4 Radiation Diagram

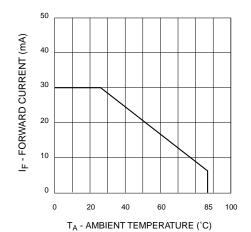


Fig. 5 Current Derating Curve

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RIGHT ANGLE T-100 (3 mm) Diffused

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- A critical component in any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.

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